

**IEEE Standard Supplementary
Requirements for the Calibration and Control of
Measuring and Test Equipment
Used in the Construction and Maintenance of
Nuclear Power Generating Stations**

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Sponsor

**Nuclear Power Engineering Committee of the
IEEE Power Engineering Society**

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Foreword

(This foreword is not part of IEEE Std 498-1975, Supplementary Requirements for the Calibration and Control of Measuring and Test Equipment Used in the Construction and Maintenance of Nuclear Power Generating Stations.)

This standard sets forth the quality assurance requirements for the calibration and control of measuring and test equipment used during the construction and maintenance of nuclear power generating stations.

This standard is intended to be used in conjunction with American National Standard Quality Assurance Program Requirements for Nuclear Power Plants, ANSI N45.2-1971.

This standard was prepared by the Institute of Electrical and Electronics Engineers in response to a request by American National Standards Committee N45 (Reactor Plants and Their Maintenance).

Committee N45 has been chartered to promote the development of standards for the location, design, construction, and maintenance of nuclear reactors and plants embodying nuclear reactors, including equipment, methods, and components specifically for this purpose.

In October of 1972 the IEEE Nuclear Power Engineering Committee (NPEC) established Subcommittee 8 (SC-8) to develop standards on quality assurance. A working group (SC-8.1) from this subcommittee was reorganized in April, 1973, to develop a standard to provide Supplementary Requirements for the Calibration and Control of Measuring and Test Equipment Used in the Construction and Maintenance of Nuclear Power Generating Stations.

This working group was composed of representatives of key segments of the nuclear industry, including utilities, reactor suppliers, construction contractors, component manufacturers, consultants, and the United States Atomic Energy Commission.

The initial draft of this standard was completed in August, 1973. Since then it has been revised to reflect the comments received from committee members of the IEEE, members of Subcommittee N45.2 on Quality Assurance Standards, and selected individuals from the nuclear industry.

The standard contained herein was developed from this activity.

In April of 1970, Committee N45 established Subcommittee N45.3.0 (now known as Subcommittee N45.2) to guide the preparation of nuclear quality assurance standards. This subcommittee is responsible for establishing guidelines and policy to govern the scope and content of the various standards; monitoring the status of standards in process, recommending preparation of additional standards, and giving final approval for standards prior to their submittal to Committee N45 for balloting.

Working with Subcommittee N45.2 and concurrently with the development of this standard, other N45.2 work groups are developing a series of standards that set forth both general and detailed technical provisions for certain activities to assure quality during the design, construction, and maintenance of nuclear power generating stations. Suggestions for improvement gained in the use of this standard will be welcomed. They should be addressed to:

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